

CLAIMS

We is claimed is:

1. A method for modifying and transmitting one of intelligent network service data and service parameters in a telecommunication system comprising an intelligent network, a service control point of the intelligent network, a service data point of the intelligent network, a second telecommunication network, and means for connecting the intelligent network to the second telecommunication network, comprising the steps of:

connecting the second telecommunication network to one of a service logic system of the service control point and the service data point of the intelligent network via a gateway; and

modifying one of a service data parameter and service logic of the service logic system of the service control point using a protocol supported by the second telecommunication network.

2. The method of claim 1, further comprising the step of performing a conversion, using a table in the gateway, between a fixed-format message used in the second telecommunication network and a message format supported by the intelligent network.

3. The method of claim 1, wherein said modifying step further comprises modifying in one of the service logic of the service control point and the service data point, via a write operation performed by the gateway, the one of the service data parameter and the service logic.

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4. The method of claim 1, wherein the second telecommunication network comprises an IP-based network.

5. The method of claim 1, wherein the second telecommunication network comprises a digital mobile telephone network.

6. A method for modifying one of intelligent network services and service logic in a telecommunication system comprising an intelligent network, a service control point of the intelligent network, a second telecommunication network, and means for connecting the intelligent network to the second telecommunication network, comprising the steps of:

connecting the second telecommunication network to service logic of the service control point of the intelligent network via a gateway; and

modifying one of a service data parameter and the service logic of the intelligent network using a protocol supported by the second telecommunication network.

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7. The method of claim 6, further comprising the step of performing a conversion, using a table in the gateway, between a fixed-format message used in the second telecommunication network and a message supported by the service control point of the intelligent network.

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8. The method of claim 6, wherein said modifying step further comprises modifying in the service logic of the service control point, via a write operation performed by the gateway, the one of the service data parameter and the service logic.

9. The method of claim 6, wherein the second telecommunication network comprises an IP-based network.

10. The method of claim 6, wherein the second telecommunication network comprises a digital mobile telephone network.

11. A method for modifying an intelligent network service parameter in a telecommunication system comprising an intelligent network, a service data point of the intelligent network, a digital mobile telephone network, a gateway for connecting the intelligent network to the mobile telephone network, and a terminal device connected to the mobile telephone network, comprising the steps of:

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transmitting the service parameter, as a text message by means of the terminal device, to the gateway;

converting, in the gateway, the transmitted text message to a service parameter format of the intelligent network; and

5 transmitting the converted service parameter from the gateway to the service data point.

12. The method of claim 11, further comprising the steps of:

returning an acknowledgement message from the service data point to the gateway in response to receipt by the service data point of the converted service parameter;

converting, into a text message format, the converted service parameter received by the service data point; and

transmitting the text message format converted service parameter from the service data point to the terminal device.

13. The method of claim 11, further comprising the step of identifying, in the gateway, a record to be modified in the service data point by using a calling subscriber number of the text message transmitted by means of the terminal device.

14. The method of claim 11, further comprising the step of identifying, in the gateway, a record to be modified in the service data point by using contents of the text message transmitted by means of the terminal device.

5 15. The method of claim 11, wherein text messages are transmitted between the terminal device and the gateway as short messages.

16. The method of claim 11, wherein information is transmitted between the terminal device and the gateway using USSD protocol.

17. The method of claim 11, wherein information is transmitted between the terminal device and the gateway using WAP protocol.

18. In a telecommunication system for modification and transmission of one of intelligent network service data and service parameters and that includes an intelligent network, a service control point of the intelligent network, a service data point of the intelligent network, a second telecommunication network, and means for connecting the intelligent network to the second telecommunication network,
a gateway for connecting the second telecommunication network to one
20 of service logic of the service control point and the service data point of the intelligent network, and

means for modifying one of a service data parameter and the service logic of the service control point using a protocol supported by the second telecommunication network.

5 19. In the system of claim 18, said gateway comprising table means for performing a conversion between a fixed-format message supported by the second telecommunication network and a message format supported by the intelligent network.

10 20. In the system of claim 18, said gateway comprising means for carrying out a write operation in one of the service logic of the service control point and the service data point, and second means for modifying one of the service data parameter and the service logic.

15 21. In the system of claim 18, the second telecommunication network comprising an IP-based network.

 22. In the system of claim 18, the second telecommunication network comprising a digital mobile telephone network.

 23. In a telecommunication system for modification of one of intelligent network services and service logic and including an intelligent network, a service control point

of the intelligent network, a second telecommunication network, and means for connecting the intelligent network to the second telecommunication network,

a gateway for connecting the second telecommunication network to service logic of the service control point of the intelligent network; and

5 means for modifying one of a service data parameter and the service logic of the intelligent network using a protocol supported by the second telecommunication network.

10 24. In the system of claim 23, said gateway comprising table means for performing a conversion between a fixed-format message supported by the second telecommunication network and a message format supported by the intelligent network.

15 25. In the system of claim 23, said gateway comprising means for carrying out a write operation in the service logic of the service control point, and second means for modifying one of the service data parameter and the service logic.

26. In the system of claim 23, wherein the second telecommunication network comprises an IP-based network.

20 27. In the system of claim 23, wherein the second telecommunication network comprises a digital mobile telephone network.

28. In a telecommunication system for modifying an intelligent network service parameter and including an intelligent network, a service data point of the intelligent network, a digital mobile telephone network, a gateway for connecting the intelligent network to the mobile telephone network, and terminal equipment connected to the mobile telephone network,

means for transmitting the service parameter, as a text message, from the terminal equipment to the gateway; and

means, in the gateway, for converting the transmitted text message to a service parameter format of the intelligent network and for transmitting the converted service parameter from the gateway to the service data point.

29. In the system of claim 28,

means for returning an acknowledgement message from the service data point to the gateway in response to receipt by the service data point of the converted service parameter; and

second means for converting, into a text message format, the converted service parameter received by the service data point and for transmitting, from the service data point to the terminal equipment, the text message format converted service parameter.

30. In the system of claim 28, said gateway comprising means for identifying a record in the service data point to be modified using a calling subscriber number of the text message transmitted from the terminal equipment.

5 31. In the system of claim 28, said gateway comprising means for identifying a record in the service data point to be modified using contents of the text message service parameter.

10 32. In the system of claim 28, means for transmission of information between the terminal equipment and the gateway using short messages.

15 33. In the system of claim 28, means for transmission of information between the terminal equipment and the gateway using USSD protocol.

34. In the system of claim 28, means for transmission of information between the terminal equipment and the gateway using WAP protocol.

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